

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for BERBERINE

Plant	Part	Low PPM	High PPM	StdDev	Reference
Berberis vulgaris	Root	4000.0	64800.0	1.0732112991587024	--
Berberis vulgaris	Bark		45000.0	1.0	Jim Duke's personal files.
Berberis vulgaris	Stem Bark	20000.0	25000.0	1.0	Jim Duke's personal files.
Berberis vulgaris	Leaf		3000.0	1.0	Jim Duke's personal files.
Coptis chinensis	Rhizome	40000.0	90000.0	0.9045340337332908	--
Coptis spp	Rhizome	40000.0	90000.0	0.9045340337332908	--
Hydrastis canadensis	Root	1385.0	60000.0	0.90147316172384	--
Coptis japonica	Rhizome	40000.0	70000.0	-0.3015113445777636	--
Xanthorhiza simplicissima	Root	12000.0	13000.0	-0.7801294339925203	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Mahonia aquifolium	Leaf		13.0	-1.0	Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
Phellodendron amurense	Bark	8300.0	10000.0	-1.0	--
Mahonia siamensis	Stem Bark		2000.0	-1.0	Ruangrungsi, N., De-Eknamkul, W., Lange, G. L. 1984. Studies on Thai Medicinal Plant. Part I. Planta Medica, 50(5): 432-433.
Mahonia repens	Root		1417.0	-1.1945550268900225	--
Hydrastis canadensis	Rhizome		50000.0	-1.507556722888818	--
Hydrastis canadensis	Shoot				--
Chelidonium majus	Plant				--
Berberis vulgaris	Root Bark	25000.0	80000.0		--
Berberis vulgaris	Flower		6600.0		Jim Duke's personal files.
Berberis vulgaris	Stem	1600.0	28900.0		Jim Duke's personal files.
Zanthoxylum americanum	Plant				--
Argemone mexicana	Plant		410.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eschscholzia californica</i>	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Andira inermis</i>	Bark				--
<i>Podophyllum hexandrum</i>	Rhizome				--
<i>Mahonia aquifolium</i>	Plant				--
<i>Mahonia aquifolium</i>	Bark				--
<i>Papaver somniferum</i>	Plant				Father Nature's Farmacy: The aggregate of all these three-letter citations.
<i>Mahonia aquifolium</i>	Shoot				--
<i>Mahonia aquifolium</i>	Root Bark				Kukic, P., Nikolic, R., Gorunovic, M. 1972. Comparative Pharmacognostic Study of Berberis (Barberry) vulgaris and Berberis aquifolium. Acta Pharm Jugosl, 22: 19-24.
<i>Mahonia aquifolium</i>	Wood				Slavik, J., Bochorakova, J., Kostalova, D., Hrochova, V. 1985. Alkaloids of Mahonia aquifolium (Pursh) Nutt. II. Chem Pap, 39(4): 537-542.
<i>Sanguinaria canadensis</i>	Root				--
<i>Caulophyllum thalictroides</i>	Plant				Jim Duke's personal files.
<i>Mahonia repens</i>	Stem				Suess, T. R. and Stermitz, F. R. 1981. The Constituents of Castilleja rhexifolia, Mahonia repens and Oncidium cebolleta. Dissertation Abstract Int B, 42: 1025-1026.
<i>Mahonia fargesii</i>	Root				Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (Mahonia fargesii) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.
<i>Mahonia fargesii</i>	Stem				Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (Mahonia fargesii) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.

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<i>Mahonia fargesii</i>	Bark				Liu, M. I., Feng, H. L. 1991. The Alkaloids Content of the Different Parts in Dayecihuangbai (<i>Mahonia fargesii</i>) by HPLC. Chung Ts'ao Yao, 22(7): 308-309.
<i>Mahonia fortunei</i>	Leaf				Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. <i>Lloydia</i> , 33: 1-286.
<i>Mahonia gracilipes</i>	Root				Lu, G. H., Chen, J. M., Wang, L. W., Xiao, P. G. 1995. Chemical Constituents of <i>Mahonia gracilipes</i> (Oliv.) Fedde. <i>Huaxi Yaoxue Zazhi</i> , 10(4): 202-204.
<i>Nandina domestica</i>	Plant				--
<i>Mahonia japonica</i>	Stem				Battersby, A. R., Francis, R. J., Hirst, M., Ruveda, E. A., Staunton, J. 1975. Biosynthesis. Part XXI. Investigations on the Biosynthesis of Stylopine in <i>Chelidonium Majus</i> . <i>J Chem Soc Perkin Trans I</i> : 1140.
<i>Mahonia japonica</i>	Sprout Seedling				Ikuta, A. and Itokawa, H. 1982. Studies on the Alkaloids from Tissue Culture of <i>Nandina domestica</i> . <i>Plant Tissue Cult Proc Int Congr Plant Tissue Cell Cult</i> 5th: 315316.
<i>Macleaya cordata</i>	Plant				--
<i>Adonis vernalis</i>	Plant				--
<i>Mahonia nervosa</i>	Rhizome				Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. <i>Lloydia</i> , 33: 1-286.
<i>Mahonia philippinensis</i>	Root				Willaman, J. J., Li, H. L. 1970. Alkaloid-Bearing Plants and their Contained Alkaloids, 1957-1968. <i>Lloydia</i> , 33: 1-286.
<i>Mahonia aquifolium</i>	Root				--
<i>Berberis vulgaris</i>	Plant				Jim Duke's personal files.
<i>Podophyllum peltatum</i>	Plant				--
<i>Zanthoxylum clava-herculis</i>	Plant				--
<i>Zanthoxylum clava-herculis</i>	Bark				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zanthoxylum alatum	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Corydalis spp	Plant				--
Menispermum canadense	Plant				--
Hydrastis canadensis	Plant				--